-2-

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the

application:

Listing of the Claims:

1. (Currently Amended) A transformer comprising:

a substrate comprising a semiconductor material;

a first conductor over the substrate, the first conductor defining a

generally spiral-shaped signal path having at least one turn;

a second conductor over the substrate, the second conductor defining a

generally spiral-shaped signal path having at least one turn; and

a first magnetic layer between the substrate and the first conductor, and a

second magnetic layer between the first conductor and the second conductor,

and a third magnetic layer over the second conductor wherein the first magnetic

layer is coupled to the second magnetic layer.

2. (Previously Presented) The transformer of claim 1, wherein the magnetic

layers comprise cobalt.

3. (Previously Presented) The transformer of claim 1, wherein the magnetic

layers comprise an amorphous alloy comprising cobalt.

Appln. No. 09/853,370

-3-

4. (Previously Presented) The transformer of claim 1, wherein the magnetic

layers comprise an amorphous alloy comprising cobalt and zirconium.

5. (Previously Presented) The transformer of claim 1, wherein the magnetic

layers comprise an amorphous alloy comprising cobalt; zirconium; and tantalum,

niobium, or a rare earth element.

6. (Original) The transformer of claim 1, wherein the second conductor lies

over the first conductor.

7. (Cancelled)

11. (Currently Amended) A transformer comprising:

a substrate comprising a semiconductor material;

a first conductor over the substrate, the first conductor defining a

generally spiral-shaped signal path having at least one turn;

a second conductor over the substrate and over the second conductor and

defining a generally spiral-shaped signal path having at least one turn; and

a <u>first</u> magnetic layer disposed between all of the spiral-shaped signal

path of the first conductor and all of the spiral-shaped signal path of the second

conductor; and

Appln. No. 09/853,370 Amdt. Dated June 18, 2004 -4-

a second magnetic layer disposed between the first conductor and the

substrate, wherein the second magnetic layer is coupled to the first magnetic

layer.

16. (Previously Presented) The transformer of claim 1, wherein the first and

second conductors are positioned such that at least a portion of one or more

turns of the first conductor are each positioned adjacent to an inner side of at

least a portion of one turn of the second conductor and such that at least a

portion of one or more turns of the second conductor are each positioned

adjacent to an inner side of at least a portion of one turn of the first conductor.

17. (Currently Amended) The transformer of claim 16, wherein the first and

second conductors each lie over the <u>first</u> magnetic layer.

20. (Previously Presented) A method comprising:

forming a first conductor over a substrate comprising a semiconductor

material, wherein the forming the first conductor comprises forming the first

conductor such that the first conductor defines a generally spiral-shaped signal

path having at least one turn;

forming a second conductor over the substrate such that the second

conductor defines a generally spiral-shaped signal path having at least one turn;

and

Appln. No. 09/853,370

-5-

forming a first magnetic layer between the substrate and the first

conductor, and a second magnetic layer between the first conductor and the

second conductor, and a third magnetic layer over the second conductor wherein

the first magnetic layer is coupled to the second magnetic layer.

21. (Previously Presented) The method of claim 20, wherein the forming the

magnetic layers comprises forming a magnetic layer comprising cobalt.

22. (Previously Presented) The method of claim 20, wherein the forming the

magnetic layers comprises forming a magnetic layer comprising an amorphous

alloy comprising cobalt.

23. (Previously Presented) The method of claim 20, wherein the forming the

magnetic layers comprises forming a magnetic layer comprising an amorphous

alloy comprising cobalt and zirconium.

24. (Previously Presented) The method of claim 20, wherein the forming the

magnetic layers comprises forming a magnetic layer comprising an amorphous

alloy comprising cobalt; zirconium; and tantalum, niobium, or a rare earth

element.

Appln. No. 09/853,370 Amdt. Dated June 18, 2004 25. (Original) The method of claim 20, wherein the forming the second

conductor comprises forming the second conductor over the first conductor.

26. (Cancelled)

35. (Previously Presented) The method of claim 20, wherein the forming the

first conductor and the forming the second conductor comprise forming the first

and second conductors such that at least a portion of one or more turns of the

first conductor are each positioned adjacent to an inner side of at least a portion

of one turn of the second conductor and such that at least a portion of one or

more turns of the second conductor are each positioned adjacent to an inner side

of at least a portion of one turn of the first conductor.

36. (Cancelled)

38. (Cancelled)

Appln. No. 09/853,370 Amdt. Dated June 18, 2004 Reply to Office action of February 18, 2004